

WHAT IS CLAIMED IS:

1. A method for requesting location information from a networked entity able to provide location information, characterized by
  - 5       - generating an invocation response, said invocation response containing a location invocation document including at least an instruction directed to said networked entity to transmit location information being provided for performing location-based services being operated on a serving entity;
  - 10       - binding said invocation response to a communication protocol defining a header section and a body section; said location invocation document being comprised in said body section; and
  - transmitting said invocation response to said networked entity.
2. A method according to claim 1, characterized by
  - 15       - receiving an application request, said application request containing at least an instruction for requesting location service (LCS) requiring location information to be performed;
  - parsing said application request for extracting information comprised in said application request;
  - 20       - identifying location information from the extracted information; and  
in case said identifying of said location information fails:
    - initiating said generating of said invocation response.
3. A method according to claim 1, characterized by
  - 25       - encoding said location invocation document; said location invocation document being encoded as one of an XML-based (extended markup language) location invocation document and a WBXML-based (wireless binary extended markup language) location invocation document.
- 30 4. A method according to claim 1, characterized in that
  - said communication protocol is one of a hypertext transmission protocol (HTTP), a wireless application protocol (WAP) and a wireless session protocol (WSP) and
  - 35       - said communication protocol is based on one of a GET procedure or a POST procedure corresponding to the employed communication protocol.

5. A method for transmitting location information to a serving entity operating location-based services, characterized by
- 5       - generating a delivery request, said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting the results of said location-based services;
  - 10       - binding said delivery request to a communication protocol defining a header section and a body section; said location delivery document being comprised in said body section; and
  - transmitting said delivery request to said serving entity.
6. A method according to claim 5, characterized by
- 15       - encoding said location delivery document; said location delivery document being encoded as one of an XML-based (extended markup language) location delivery document and a WBXML-based (wireless binary extended markup language) location delivery document.
7. A method according to claim 5, characterized in that
- 20       - said communication protocol is one of a hypertext transmission protocol (HTTP), a wireless application protocol (WAP) and a wireless session protocol (WSP); and
  - 25       - said communication protocol is based on one of a GET procedure or a POST procedure corresponding to the employed communication protocol.
8. A method according to claim 5, characterized by
- 30       - receiving an application request; said application request containing information in accordance with said performing of location-based services being operated on said serving entity.
9. A method for transmitting an application response in consequence to a delivery request,  
characterized by

- receiving said delivery request from a networked entity; said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting the results of said location-based services;
- extracting said location delivery document from said delivery request;
- parsing said location delivery document to extract said location information;
- performing said location-based services in accordance with said delivery request and on the basis of said location information;
- generating an application response, said application response containing information resulted from said performing of said location-based services; and
- transmitting said application response to said networked entity.

10. A method according to claim 9, characterized in that said delivery request is bound to communication protocol,

- said communication protocol defining a header section and a body section; said location delivery document being comprised in said body section;
- said communication protocol is one of a hypertext transmission protocol (HTTP), a wireless application protocol (WAP) and a wireless session protocol (WSP); and
- said communication protocol is based on one of a GET procedure or a POST procedure corresponding to the employed communication protocol.

11. A method according to claim 9, characterized in that said location delivery request is encoded as one of an XML-based (extended markup language) location delivery document and a WBXML-based (wireless binary extended markup language) location delivery document.

12. A software tool for handling of location information, comprising program portions for carrying out the operations of claim 1, when said program is implemented in a computer program for being executed on a processing device, a terminal device, a communication terminal device or a network device.

13. A computer program product for handling of location information, comprising loadable program code sections for carrying out the operations of claim 1, when

said computer program is executed on a processing device, a terminal device, a communication terminal device or a network device.

14. A computer program product for handling of location information, wherein said  
5 computer program product comprises program code sections stored on a computer readable medium for carrying out the method of claim 1, when said computer program product is executed on a processing device, a terminal device, a communication terminal device or a network device.
- 10 15. A computer data signal embodied in a carrier wave and representing instructions which when executed by a processor causes the steps of claim 1 to be carried out.
16. A networked entity for transmitting location information to a serving entity operating location-based services, characterized by
- 15 - an encoder (102) for generating a delivery request, said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting the results of said location-based services;
- 20 - a communication agent (105) for binding said delivery request to a communication protocol defining a header section and a body section; said location delivery document being comprised in said body section; and
- a communication interface (106, 107) for transmitting said delivery request to said serving entity.
- 25 17. A serving entity for requesting location information from a networked entity able to provide location information, characterized by
- an encoder (202) for generating an invocation response, said invocation response containing a location invocation document including at least an  
30 instruction to said networked entity to transmit location information for being provided for performing location-based services being operated on a serving entity;
- a communication agent (205) for binding said invocation response to a communication protocol defining a header section and a body section; said  
35 location invocation document being comprised in said body section; and

- a communication interface (206, 207) for transmitting said invocation response to said networked entity.
18. A serving entity for transmitting an application response in consequence to a delivery request, characterized by
- a communication interface (206, 207) for receiving said delivery request from a networked entity; said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting results of said location-based services
  - a parser (203) for extracting said location delivery document from said delivery request and parsing said location delivery document to extract said location information;
  - location-based services (201) for performing said location-based services in accordance with said delivery request and on the basis of said location information;
  - an encoder (202) for generating an application response; said application response containing information resulting from said performing of said location-based services; and
  - said communication interface (206, 207) for transmitting said application response to said networked entity.
19. A system for handling of location information, characterized by
- at least one serving entity, comprising:
    - an encoder (202) for generating a invocation response, said invocation response containing a location invocation document including at least an instruction to said networked entity to transmit location information for being provided for performing location-based services being operated on a serving entity;
    - a communication agent (205) for binding said invocation response to a communication protocol defining a header section and a body section; said location invocation document being comprised in said body section; and
    - a communication interface (206, 207) for transmitting said invocation response to said networked entity; and

- at least one networked entity, comprising:
  - an encoder (102) for generating a delivery request, said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting for results of said location-based services;
  - a communication agent (105) for binding said delivery request to a communication protocol defining a header section and a body section; said location delivery document being comprised in said body section; and
  - a communication interface (106, 107) for transmitting said delivery request to said serving entity.

20. A system according to claim 19, characterized in that said at least one serving entity comprises further:

- a communication interface (206, 207) for receiving said delivery request from a networked entity; said delivery request containing a location delivery document including location information, said location information being provided for performing location-based services being operated on said serving entity; said delivery request requesting for results of said location-based services
- a parser (203) for extracting said location delivery document from said delivery request and parsing said location delivery document to extract said location information;
- location-based services (201) for performing said location-based services in accordance with said delivery request and on the basis of said location information;
- an encoder (202) for generating an application response; said application response containing information resulted from said performing of said location-based services; and
- said communication interface (206, 207) for transmitting said application response to said networked entity.